Math worksheet on *'Exponents - Power Law with Variable Base (Negatives, Exponent with Power to Fraction with Power) (Level 1)'*. Part of a broader unit on *'Exponents - Negative, Fractional, and Power Law'*

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1 Find the answer when these terms are multiplied

$$r^{-3} \cdot r^{-3} \cdot r^{-3} \cdot r^{-3}$$

a	b	c
$\frac{1}{r^{12}}$	r	$\frac{1}{r^{13}}$

2 Find the answer when these terms are multiplied

$$c^{-1} \cdot c^{-1} \cdot c^{-1} \cdot c^{-1}$$

a	b	c	d	e
c^3	$\frac{1}{c^4}$	$\frac{1}{c^3}$	c^0	$\frac{1}{c^{40}}$

3 Find the answer when these terms are multiplied

$$n^{-2} \cdot n^{-2} \cdot n^{-2}$$

a	b	c	d	e
$\frac{1}{n^5}$	n^0	$\frac{1}{n^4}$	$\frac{1}{n^6}$	$\frac{1}{n^{600}}$

4 Find the answer when these terms are multiplied

$$p^{-1} \cdot p^{-1} \cdot p^{-1} \cdot p^{-1}$$

a	b	c	d
$\frac{1}{p^3}$	$\frac{1}{p^4}$	p^3	p^0

5 Find the answer when these terms are multiplied

$$z^{-1} \cdot z^{-1} \cdot z^{-1}$$

a	b	c	d
$\frac{1}{z^3}$	1	$\frac{1}{z^2}$	z^2

6 Find the answer when these terms are multiplied

$$n^{-1} \cdot n^{-1} \cdot n^{-1} \cdot n^{-1}$$

a	b	c	d
$\frac{1}{n^3}$	$\frac{1}{n^4}$	1	n^3

7 Find the answer when these terms are multiplied

$$m^{-3} \cdot m^{-3} \cdot m^{-3}$$

a	b	c	d
$\frac{1}{m^{10}}$	$\frac{1}{m^9}$	$\frac{1}{m^7}$	$\frac{1}{m^{90}}$